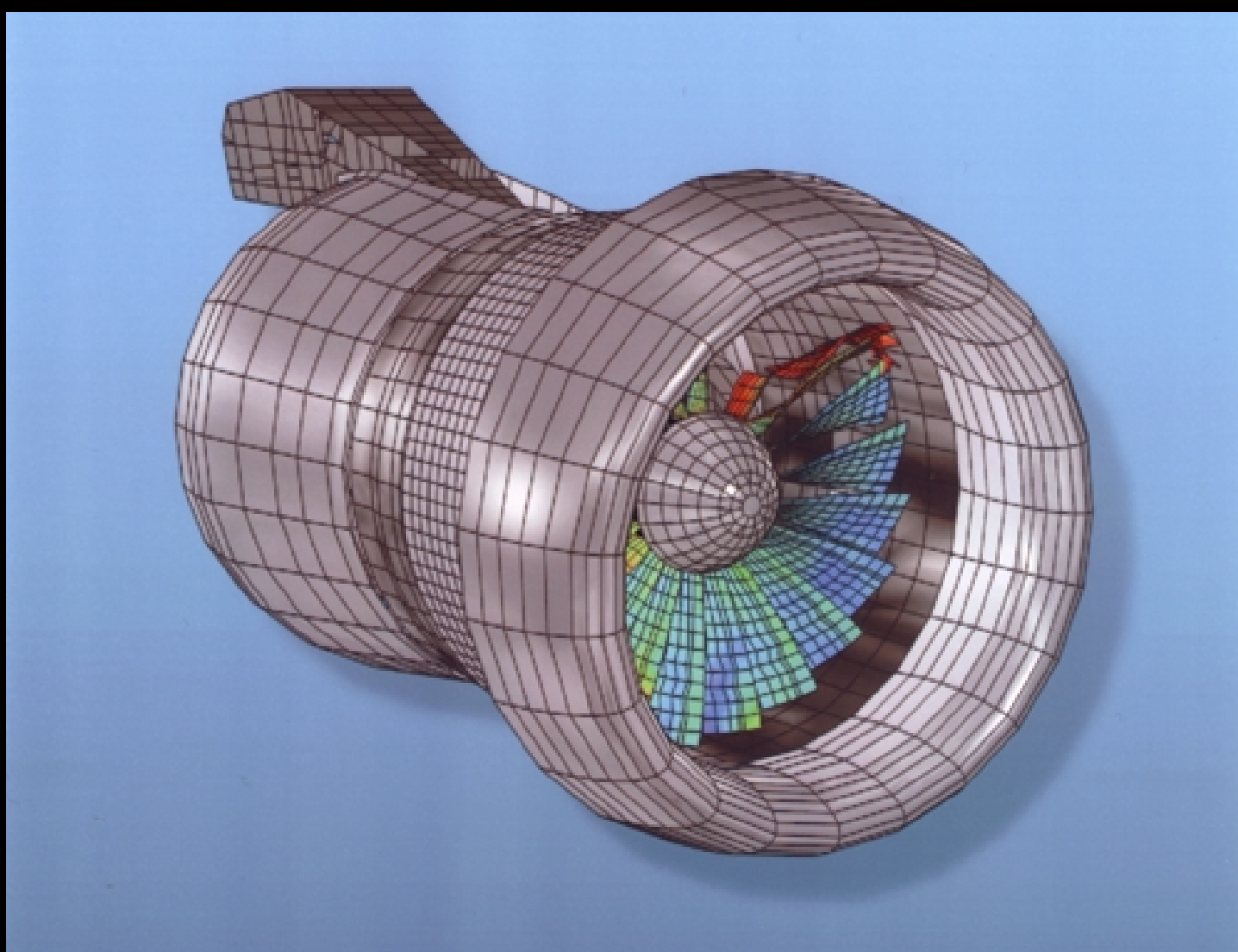
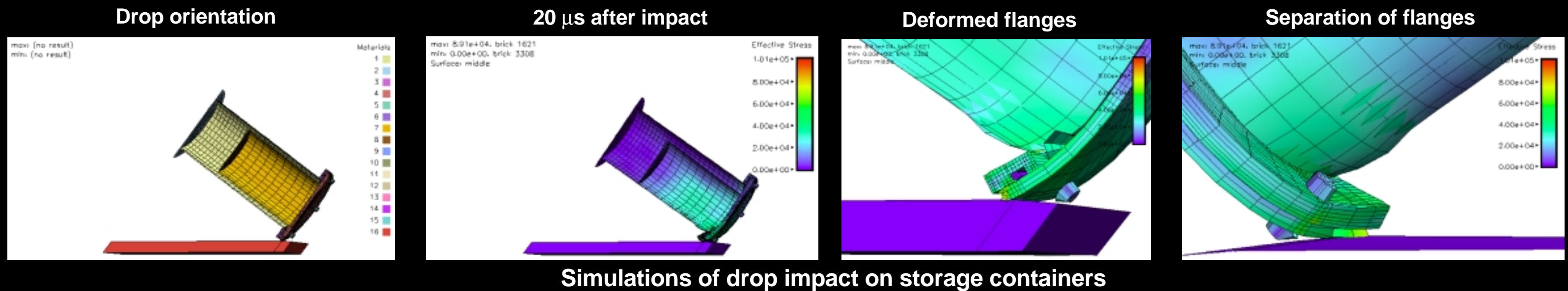
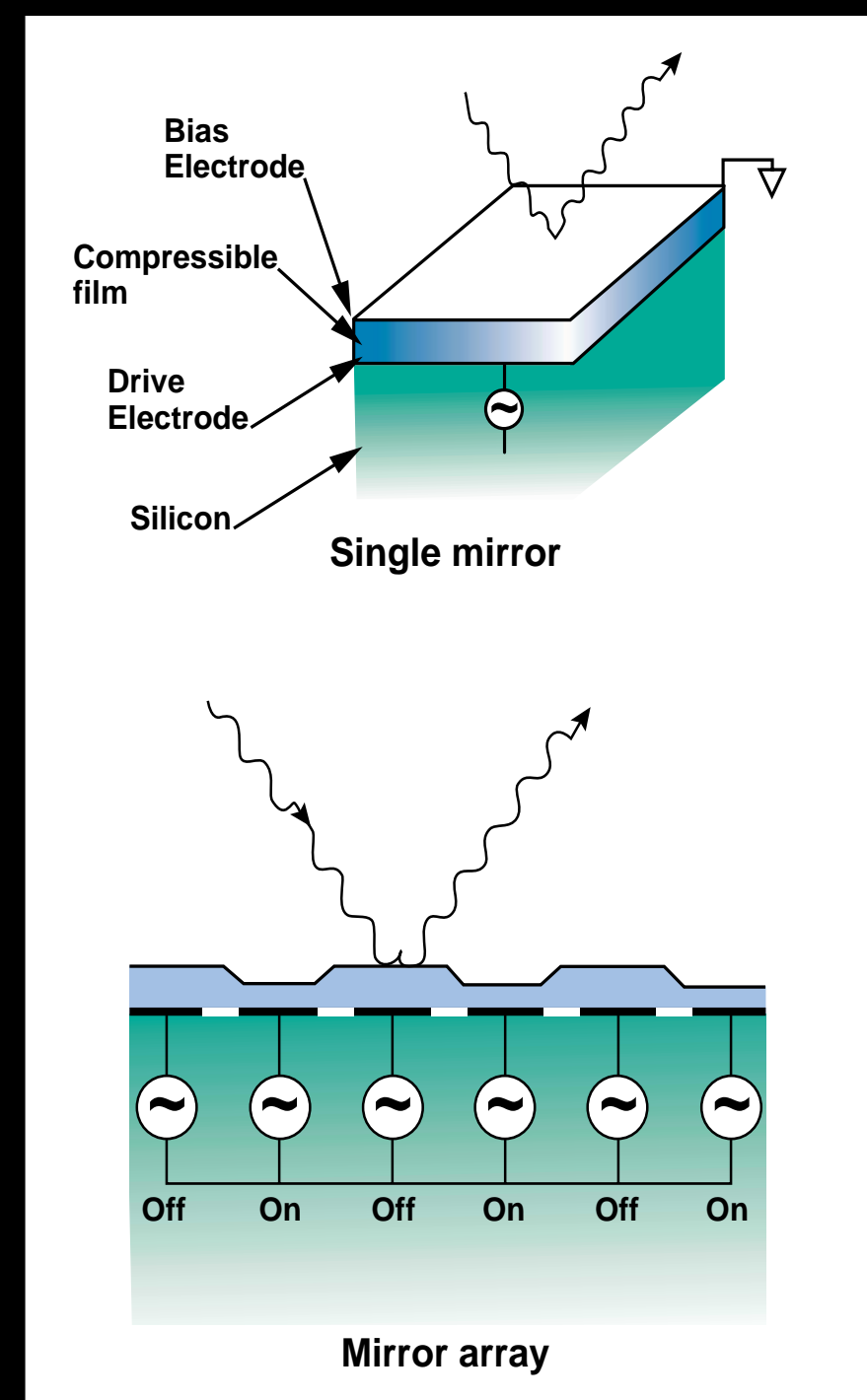


Computer Simulations: Solving Problems of National Importance

The Structural and Applied Mechanics Group (SAMG) is applying advanced computer simulations to help solve problems of national importance. Examples include the deformation of storage containers, jet engine blade failure, and applications related to lithography and adaptive optics.



We are using computer simulations to predict airplane responses to jet engine blade failures. The effect of both contained and uncontained engine debris is being considered.



Electrostatically driven microfabricated mirror array controls the phase or amplitude of light in applications such as lithography or adaptive optics.

